SEQUENCE LISTING

<110> Readhead, Carol W.
      Winston, Robert
      Koeffler, H. Phillip
      Muller, Carsten

<120> Transfection, Storage and Transfer of
  Male Germ Cells for Generation of Transgenic Stem Cells

<130> P07 41795 (80334)

<140> US 09/292,723
<141> 1999-04-15

<150> US 09/272,443
<151> 1999-03-19

<150> US 09/191,920
<151> 1998-11-13

<150> US 60/065,825
<151> 1997-11-14

<150> PCT/US98/24238
<151> 1998-11-13

<160> 36

<170> FastSEQ for Windows Version 4.0

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<213> Homo sapiens

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<213> Homo sapiens

<220>
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<222> (1)...(1294)

<221> mutation
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cctcaacgtc ccaagcccca gctctgtcgc ccgcgttcct tcctcttcct gggccacaat 180
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<210> 4
<211> 597
<212> DNA
<213> Homo sapiens

<220>
<221> promoter
<222> (1)...(597)

<221> mutation
<222> (582)...(582)

<400> 4
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gtcaggtgag caggtcgcca tggcgatgcg gccccggaga gcgcacgcct gccgcggtcg 180
gcatggaaac gctcccgcta ggtccggggg gcgccgctgat tggccgattc aacagacgcg 240
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```
ggtgggcagc tcagccgcat cgctaagccc ggccgcctcc caggctggaa tccctcgaca 300
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cccgcccggc ccggcccggc cctgcccaac cctgccccgc cctgccccgc ccagccggcc 420
acctcttaac cgcgatcctc cagtgcactt gccagttgtt ccggacacat agaaagataa 480
cgacgggaag acggggcccc gtttggggtc caggcaggtt ttggggcctc ctgtctggtg 540
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<210> 5
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<212> DNA
<213> Homo sapiens

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<222> (1)...(469)

<221> mutation
<222> (454)...(454)

<400> 5
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acgctcccgc taggtccggg ggcgccgctg attggccgat tcaacagacg cgggtgggca 120
gctcagccgc atcgctaagc ccggccgcct cccaggctgg aatccctcga cacttggtcc 180
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gcccggcccg gccctgccca accctgcccc gccctgcccc gcccagccgg ccacctctta 300
accgcgatcc tccagtgcac ttgccagttg ttccggacac atagaaagat aacgacggga 360
agacggggcc ccgtttgggg tccaggcagg ttttggggcc tcctgtctgg tgggaggagg 420
ccgcagcgca gcaccctgct cgtcacttgg gattgagacc ggctttccc      469
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<210> 6
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> promoter
<222> (1)...(333)

<221> mutation
<222> (318)...(318)

<400> 6
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ccgtgccctg cccttccctg cccttccccg ccctgccccg cccggcccgg cccggccctg 120
cccaaccctg ccccgccctg ccccgcccag ccggccacct cttaaccgcg atcctccagt 180
gcacttgcca gttgttccgg acacatagaa agataacgac gggaagacgg ggccccgttt 240
ggggtccagg caggttttgg ggcctcctgt ctggtgggag gaggccgcag cgcagcaccc 300
tgctcgtcac ttgggattga gaccggcttt ccc              333
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<210> 7
<211> 303
<212> DNA
<213> Homo sapiens

<220>

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```

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<222> (1)...(303)

<221> mutation
<222> (288)...(288)

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ccggccacct cttaaccgcg atcctccagt gcacttgcca gttgttccgg acacatagaa   180
agataacgac gggaagacgg ggccccgttt ggggtccagg caggttttgg ggcctcctgt   240
ctggtgggag gaggccgcag cgcagcaccc tgctcgtcac ttgggattga daccggcttt   300
ccc                                                                 303

<210> 8
<211> 263
<212> DNA
<213> Homo sapiens

<220>
<221> promoter
<222> (1)...(263)

<221> mutation
<222> (248)...(248)

<400> 8
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ccccgccctg ccccgcccag ccggccacct cttaaccgcg atcctccagt gcacttgcca   120
gttgttccgg acacatagaa agataacgac gggaagacgg ggccccgttt ggggtccagg   180
caggttttgg ggcctcctgt ctggtgggag gaggccgcag cgcagcaccc tgctcgtcac   240
ttgggattga daccggcttt ccc                                           263

<210> 9
<211> 255
<212> DNA
<213> Homo sapiens

<220>
<221> promoter
<222> (1)...(255)

<221> mutation
<222> (240)...(240)

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ggacacatag aaagataacg acgggaagac ggggccccgt ttggggtcca ggcaggtttt   180
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gagaccggct ttccc                                                    255

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<211> 209
<212> DNA
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<213> Homo sapiens

<220>
<221> promoter
<222> (1)...(209)

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gcacttgcca gttgttccgg acacataga                                    209
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<213> Homo sapiens

<220>
<221> promoter
<222> (1)...(202)

<400> 11
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cccaaccctg ccccgccctg ccccgcccag ccggccacct cttaaccgcg atcctccagt 180
gcacttgcca gttgttccgg ac                                           202
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<212> DNA
<213> Homo sapiens

<220>
<221> promoter
<222> (1)...(195)

<400> 12
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cccaaccctg ccccgccctg ccccgcccag ccggccacct cttaaccgcg atcctccagt 180
gcacttgcca gttgt                                                   195
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<210> 13
<211> 194
<212> DNA
<213> Homo sapiens

<220>
<221> promoter
<222> (1)...(194)

<400> 13
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cccaaccctg ccccgccctg ccccgcccag ccggccacct cttaaccgcg atcctccagt 180
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gcacttgcca gttg   194

<210> 14
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<213> Artificial Sequence

<220>
<223> Single-stranded oligonucleotide primer sequence

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<210> 15
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Single-stranded oligonucleotide primer sequence

<400> 15
ctgatccaga ataacacctg a   21

<210> 16
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> n equals inosine; Universal 5' RACE abridged
      anchor primer

<400> 16
ggccacgcgt cgactagtac gggnngggnn gggnng   36

<210> 17
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<212> DNA
<213> Artificial Sequence

<220>
<223> Single-stranded oligonucleotide primer sequence

<400> 17
ctcctcccac cagacagga   19

<210> 18
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Double-stranded oligonucleotide

<400> 18
cctgccccgc cctgccccgc ccagcc   26

<210> 19
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<212> DNA
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<220>
<223> Double-stranded oligonucleotide

<400> 19
ccttccccgc cctgccccgc ccggccc   27

<210> 20
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<212> DNA
<213> Artificial Sequence

<220>
<223> Double-stranded oligonucleotide

<400> 20
attcgatcgg ggcggggcga gc   22

<210> 21
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<212> DNA
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<220>
<223> Double-stranded oligonucleotide

<400> 21
gagaccggct cgaacgcaat catgt   25

<210> 22
<211> 24
<212> DNA
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<220>
<223> Single-stranded oligonucleotide

<400> 22
aatcgataag aattcgtcga ccga   24

<210> 23
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<212> DNA
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<220>
<223> Single-stranded oligonucleotide

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<210> 24
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<220>
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<400> 24
ccccgccctg ccccttacag ccggccacc                                    29

<210> 25
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<212> DNA
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<220>
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<400> 25
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<210> 26
<211> 22
<212> DNA
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<220>
<223> Single-stranded oligonucleotide

<400> 26
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<210> 27
<211> 42
<212> DNA
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<220>
<223> Single-stranded oligonucleotide

<400> 27
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<210> 28
<211> 45
<212> DNA
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<220>
<223> Single-stranded oligonucleotide
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<210> 29
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<213> Artificial Sequence

<220>
<223> Single-stranded oligonucleotide

<400> 29
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<210> 30
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> EGFP-specific single-stranded oligonucleotide

<400> 30
ttgtcgggca gcagcacggg gccg   24

<210> 31
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> EGFP-specific single-stranded oligonucleotide

<400> 31
tcaccggggt ggtgccatcc tttg   24

<210> 32
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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (0)...(0)

<400> 32
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<210> 33
<211> 6
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<213> Homo sapiens

<220>
<223> Cyclin A1 initiator region (Inr) sequence

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ccagtt                                                                    6


<210> 34
<211> 6
<212> DNA
<213> Homo sapiens

<220>
<223> Consensus initiator region (Inr) sequence

<400> 34
tcakty                                                                    6


<210> 35
<211> 80
<212> DNA
<213> Homo sapiens


<220>
<223> Cyclin A1 promoter region nucleotide positions -70
      to +10

<400> 35
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tgcacttgcc agttgttccg                                              80


<210> 36
<211> 1450
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<213> Homo sapiens


<220>
<223> Cyclin A1 promoter region nucleotide positions
      -1299 to +152

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